

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A reciprocating motor comprising:

an outer stator having a plurality of radially stacked first lamination sheets around a bobbin in which a winding coil is wound, each of the first lamination sheets being radial with respect to the center of the bobbin;

an inner stator disposed in the outer stator at a certain air gap from an inner circumference of the outer stator, and having a plurality of radially stacked second lamination sheets;

a magnet paddle disposed between the outer stator and the inner stator, and having a plurality of magnets installed at a circumference thereof;

a terminal part provided at one side of the outer stator for connecting an external power to the winding coil of the outer stator; and

a magnetic force balancing part at which the first lamination sheets are not stacked, provided at the outer stator at the same interval on the basis of the terminal part in a circumferential direction of the outer stator.

2. (Original) The motor of claim 1, wherein the magnetic force balancing part has the same shape as the terminal part.

3. (Original) The motor of clam 1, wherein the magnetic force balancing part has the same sectional area as the terminal part.

4. (Original) The motor of claim 1, wherein the magnetic force balancing part is integrally formed with the bobbin.

5. (Original) The motor of claim 1, wherein the magnetic force balancing part is disposed at an interval of 180 degrees on the basis of the terminal part in a circumferential direction of the outer stator.

6. (Original) The motor of claim 1, wherein the plurality of the magnetic force balancing parts are disposed at the same intervals on the basis of the terminal part in a circumferential direction of the outer stator.

7. (Original) The motor of claim 6, wherein the magnetic force balancing parts are disposed at an interval of 120 degrees therebetween on the basis of the terminal part in a circumferential direction of the outer stator.

8. (Original) The motor of claim 6, wherein the magnetic force balancing parts are disposed at an interval of 90 degrees therebetween on the basis of the terminal part in a circumferential direction of the outer stator.

9. (Previously Presented) The motor of claim 1, wherein the magnetic force balancing part occupies a partial portion of an inner circumference of the bobbin such that the

first lamination sheets of the outer stator are disconnected to form a gap at the partial portion of the inner circumference of the bobbin occupied by the magnetic force balancing part.

10. (Previously Presented) The motor of claim 1, wherein the first lamination sheets of the outer stator are divided into at least a first group and a second group, a first end of the first group being spaced apart from a first end of the second group by a first gap at a first partial portion of an inner circumference of the bobbin occupied by the magnetic force balancing part.

11. (Previously Presented) The motor of claim 10, wherein a second end of the first group being spaced apart from a second end of the second group by a second gap at a second partial portion of the inner circumference of the bobbin occupied by the terminal part, the first lamination sheet at the first end of the first group being aligned with the first lamination sheet at the second end of the second group along a diametric direction of the outer stator.

12. (Previously Presented) The motor of claim 1, wherein the magnetic force balancing part surrounds a partial portion of the bobbin and covers a partial portion of an inner circumference of the bobbin.

13. (Previously Presented) The motor of claim 1, wherein the magnetic force balancing part is protruded at an outer side of the bobbin.

14. (New) A reciprocating motor comprising:

an outer stator having a plurality of radially stacked first lamination sheets around a bobbin in which a winding coil is wound;

an inner stator disposed in the outer stator at a certain air gap from an inner circumference of the outer stator, and having a plurality of radially stacked second lamination sheets;

a magnet paddle disposed between the outer stator and the inner stator, and having a plurality of magnets installed at a circumference thereof;

a terminal part provided at one side of the outer stator for connecting an external power to the winding coil of the outer stator; and

a magnetic force balancing part at which the first lamination sheets are not stacked, provided at the outer stator at the same interval on the basis of the terminal part in a circumferential direction of the outer stator,

wherein the magnetic force balancing part is protruded at an outer side of the bobbin.

15. (New) The motor of claim 14, wherein the magnetic force balancing part has the same shape as the terminal part.

16. (New) The motor of clam 14, wherein the magnetic force balancing part has the same sectional area as the terminal part.

17. (New) The motor of claim 14, wherein the magnetic force balancing part is integrally formed with the bobbin.

18. (New) The motor of claim 14, wherein the magnetic force balancing part is disposed at an interval of 180 degrees on the basis of the terminal part in a circumferential direction of the outer stator.

19. (New) The motor of claim 14, wherein the plurality of the magnetic force balancing parts are disposed at the same intervals on the basis of the terminal part in a circumferential direction of the outer stator.

20. (New) The motor of claim 19, wherein the magnetic force balancing parts are disposed at an interval of 120 degrees therebetween on the basis of the terminal part in a circumferential direction of the outer stator.

21. (New) The motor of claim 19, wherein the magnetic force balancing parts are disposed at an interval of 90 degrees therebetween on the basis of the terminal part in a circumferential direction of the outer stator.

22. (New) The motor of claim 14, wherein the magnetic force balancing part occupies a partial portion of an inner circumference of the bobbin such that the first lamination sheets of

the outer stator are disconnected to form a gap at the partial portion of the inner circumference of the bobbin occupied by the magnetic force balancing part.

23. (New) The motor of claim 14, wherein the first lamination sheets of the outer stator are divided into at least a first group and a second group, a first end of the first group being spaced apart from a first end of the second group by a first gap at a first partial portion of an inner circumference of the bobbin occupied by the magnetic force balancing part.

24. (New) The motor of claim 23, wherein a second end of the first group being spaced apart from a second end of the second group by a second gap at a second partial portion of the inner circumference of the bobbin occupied by the terminal part, the first lamination sheet at the first end of the first group being aligned with the first lamination sheet at the second end of the second group along a diametric direction of the outer stator.

25. (New) The motor of claim 14, wherein the magnetic force balancing part surrounds a partial portion of the bobbin and covers a partial portion of an inner circumference of the bobbin.